REMARKS

No new matter has been added by virtue of this Amendment and accompanying Sequence Listing. The changes made to the specification only reflect the insertion of SEQ ID NO: identifiers. An appendix to this letter shows the specific changes made to the originally filed specification.

Submitted with this Amendment are: (1) a paper copy of the Sequence Listing containing SEQ ID NO:1 through SEQ ID NO:7; (2) a diskette containing the Sequence Listing; (3) a "Statement to Support the Filing and Submission of the Sequence Listing in accordance with 37 C.F.R. §§1.821-1.825"; and (4) a copy of the "Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures", mailed February 27, 2002. Applicants respectfully request consideration and entry of the Amendment and the Sequence Listing.

Respectfully submitted,

BIERMAN, MUSERLIAN & LUCAS

Date: June 10 , 2002   By: _____

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5

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<u>APPENDIX:</u>

Version of Specification Amendments Detailing Additions (Underlined Text) and
Deletions (Bracketed Text)

The specification has been amended by the addition of SEQ ID NO:
identifiers, as shown below:

The third full paragraph on page 4 has been amended as follows:

This sequence was determined with the aid of a statistical study of 27 known amidation sites and led to definition of a given pattern of amino acids over 6 positions: Gly-Lys-Arg-Ser-Ala-Glu (SEQ ID NO:1).

On page 12, section 1.2.1 "Establishing the sequences of the two oligonucleotides necessary for the PCR reaction", has been amended as follows:

1.2.1. Establishing the sequences of the two oligonucleotides necessary for the PCR reaction.

One of these two nucleotides will contain the sequence complementary to that which codes for the amidation site for CCK, which site is known and has as the sequence Gly-Arg-Arg-Ser-Ala-Glu (SEQ ID NO:2). This oligonucleotide, which will be called *oligo CCK amide*, has as its nucleotide sequence:

5' CTCAGCACTGCGCCGGCC 3' (SEQ ID NO:3)

The second oligonucleotide, called *oligo CCK 5*, corresponds to the consensus signal sequence:

5' GTGTGTCTGTGCGTGGTG 3' (SEQ ID NO:4)

The size of the expected amplification product is 315 base pairs, which is the distance between the sequences corresponding to these two oligonucleotides on the precursor sequence of the CCK.

On page 14, section 1.5. "Result.", has been amended as follows:

1.5. Result.

The following crude sequence is obtained:

GTG TGT CTG TGC GTG GTG ATG GCA GTC CTG GCA GCA GGC GCC CTG GCG
CAG CCG GTA GTC CCT GTA GAA GCT GTG GAC CCT ATG GAG CAG CGG GCG
GAG GAG GCG CCC CGA AGG CAG CTG AGG GCT GTG CTC CGA CCG GAC AGC
GAG CCC CGA GCG CGC CTG GGC GCA CTG CTA GCC CGA TAC ATC CAG CAG
GTC CGC AAA GCT CCC TCT GGC CGC ATG TCC GTT CTT AAG AAC CTG CAG GGC
CTG GAC CCT AGC CAC AGG ATA AGT GAC CGG GAC TAC ATG GGC TGG ATG
GAT TTC GGC CGG CGC AGT GCT GAG (SEQ ID NO:5)

Translation of the sequence obtained into amino acids results in:

VCLCVVMAVLAAGALAQPVVPVEAVDPMEQRAEEAPRRQLRAVLRPDSEPRARLGAL
LARYIQQVRKAPSGRMSVLKNLQGLDPSHRISDRDYMGWMDFGRRSAE   (SEQ   ID
NO:6)

which enables the nucleotide sequence of the precursor of CCK (the sequence of which has been provided by the Swiss databank prot no. p01355) to be easily found.

The sequence on page 23 has been amended as follows:

2351   AGATGCGTAA GGAGAAAATA CCGCATCAGG CGAAATTGTA AACGTTAATA
2401   TTTTGTTAAA ATTCGCGTTA AATATTTGTT AAATCAGCTC ATTTTTTAAC
2451   CAATAGGCCG AAATCGGCAA AATCCCTTAT AAATCAAAAG AATAGACCGA
2501   GATAGGGTTG AGTGTTGTTC CAGTTTGGAA CAAGAGTCCA CTATTAAAGA
2551   ACGTGGACTC CAACGTCAAA GGGCGAAAAA CCGTCTATCA GGGCGATGGC
2601   CCACTACGTG AACCATCACC CAAATCAAGT TTTTTGCGGT CGAGGTGCCG
2651   TAAAGCTCTA AATCGGAACC CTAAAGGGAG CCCCCGATTT AGAGCTTGAC
2701   GGGGAAAGCC GGCGAACGTG GCGAGAAAGG AAGGGAAGAA AGCGAAAGGA

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2751    GCGGGCGCTA  GGGCGCTGGC  AAGTGTAGCG  GTCACGCTGC  GCGTAACCAC
2801    CACACCCGCC  GCGCTTAATG  CGCCGCTACA  GGGCGCGTCC  ATTCGCCATT
2851    CAGGCTGCGC  AACTGTTGGG  AAGGGCGATC  GGTGCGGGCC  TCTTCGCTAT
2901    TACGCCAGCT  GGCGAAAGGG  GGATGTGCTG  CAAGGCGATT  AAGTTGGGTA
2951    ACGCCAGGGT  TTTCCCAGTC  ACGACGTTGT  AAAACGACGG  CCAGTGAATT
3001    GTAATACGAC  TCACTATA  (SEQ ID NO:7)
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